

AMENDMENTS TO THE CLAIMS:

Amend the claims as follows:

Claims 1-19. (Canceled)

20. (new) An isolated nucleic acid, wherein said nucleic acid comprises:

a) a first region which comprises a nucleic acid which encodes the transactivator of the tetracycline-regulated system (tTA) under the control of a first promoter which is a non-viral promoter, and

b) a second region which comprises a nucleic acid of interest under the control of a second promoter which is a tTA-sensitive promoter,

and wherein the two regions a) and b) are arranged in the same transcriptional orientation.

21. (new) The isolated nucleic acid according to claim 20, wherein the nucleic acid additionally comprises a third region c), which is arranged between the two regions a) and b) and which restricts transcriptional interference between regions a) and b).

22. (new) Nucleic acid according to claim 21, wherein the region c) comprises a transcription terminator.

23. (new) The isolated nucleic acid according to claim 20, wherein, in region a), the moderate promoter is a cell promoter which is constitutive and tissue-specific.

24. (new) The isolated nucleic acid according to claim 23, wherein the moderate cell promoter is selected from the promoters of the 3-phosphoglycerate kinase (PGK), dihydrofolate reductase (DHFR), elongation factor 1 a (EF1a), β actin, β -globin and myosin heavy chain a (MHCa) genes.

25. (new) The isolated nucleic acid according to claim 20, wherein, in region b), the nucleic acid of interest is a nucleic acid which encodes a protein or a polypeptide of interest.

26. (new) The isolated nucleic acid according to claim 25, wherein the protein or the polypeptide of interest is selected from neurotransmitters or their precursors or enzymes for synthesizing them, and trophic factors.

27. (new) The isolated nucleic acid according to claim 20, wherein, in region b), the promoter is a promoter which functions in mammalian cells.

28. (new) An isolated nucleic acid, wherein said nucleic acid comprises:

- a) a first region which comprises a nucleic acid which encodes the transactivator of the tetracycline-regulated system (tTA) under the control of the promoter of the 3-phosphoglycerate kinase (PGK) gene, and
- b) a second region which comprises a nucleic acid which encodes human tyrosine hydroxylase under the control of a minimal CMV promoter which has been modified so as to contain from 1 to 10 sequences of site for binding a tTA factor (tetOp),

c) a third region which comprises an upstream mouse sequence (UMS),
and wherein the two regions a) and b) are arranged in the same transcriptional
orientation.

29. (new) A vector which comprises a nucleic acid according to claim 20 or
28.

30. (new) The vector according to claim 29, wherein the vector is a viral
vector.

31. (new) An isolated cell which comprises a vector according to claim 29.

32. (new) The isolated cell according to claim 31, wherein the cell is a
mammalian cell.

33. (new) The isolated cell according to claim 32, wherein the cell is a nerve
cell.

34. (new) An isolated nerve cell comprising a recombinant adenovirus which
comprises a nucleic acid according to claim 28

35. (new) A composition which comprises cells according to claim 31 or 34.

36. (new) The isolated nucleic acid according to claim 22, wherein the transcription terminator is an upstream mouse sequence (UMS).

37. (new) The vector according to claim 30, wherein said viral vector is an adenovirus.